



Consulting Engineers Association of India NEWSLETTER

JULY 2020

www.ceai.org.in

FROM THE **PRESIDENT'S DESK**



IN THIS

ISSUE

Dear Friends,

Despite these morbid times, due to the Pandemic, CEAI have decided to put on the celebration flag, and observe befittingly, SIXTY YEARS OF SERVICE TO THE NATION.

In this period, consultants have transited from log table and slide rules to the computer screens, and construction methodologies have been changing with improved tools and equipments run with remote sensors!

The role of Consultants are increasing and today projects get the benefit of viability and feasibility worked out with use of softwares specially developed. Integrated development schemes are becoming the order of the day.

Though the fees earned by Consultants is a minuscule part of the project cost, the contributions of the Consultants for successful implementation of development programmes are huge and this fact is being increasingly realised. Today use of Consultants have been appreciated by authorities across all sectors.

The main theme of our Diamond celebrations will be to recall the glorious contributions made by the Consultancy fraternity for the development of the Nation and lay down the future road map for helping the country to become ATMA-NIRBHAR- the priority of the Nation at present.

We urge all of you, dear members, to come forward and make this Diamond Anniversary a milestone for the growth of our Industry. Please offer your suggestions for the most effective way we can make ourselves relevant to the society at large and do participate in the events being planned.

In today's world growth in numbers is of great importance and we request all of you to enlist one new member in the next one month to help us have a compounded growth. We shall acknowledge every such effort in our View Point magazine in appreciation of your contribution.

HAPPY CELEBRATIONS!!

Warm regards,

Amitabha Ghoshal

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INTERACTIVE WORKSHOP 'SOLUTIONS FOR REMOTE WORKING BY SMALL COMPANIES'

CEAI organised a Webinar for the Interactive Workshop 'Solutions for Remote Working by Small Companies' on 18th July 2020 which was focused on the immediate requirements for small consulting companies to modernise infrastructure, upgrade its software and hardware, to be better prepared for seamless conduct of businesses during future such eventualities, and optimise productivity.

Mr Amitabha Ghoshal, President CEAI welcomed the participants. In his welcome address he stressed that this webinar has been specially designed for the consultants who have small or medium size offices. He briefed about the difficulties being faced by the consultants and the solutions while working from home during the pandemic.



Ms Sayona Philip, immediate Past President of CEAI, was the Moderator for the webinar.



Mr Pravinchandra Shahu, Business Head – Digital and Advance Technology IT& ADC, Tata Consulting Engineers Ltd was the speaker. He explained how we should enable ourselves for remote working. In his presentation he covered Cloud based Solutions /Facilities Required/ Modalities for shifting to remote working/ Budgetary requirement/ Typical Case Study.

DIAMOND JUBILEE OF CEAI

CEAI was incorporated in 1996, with the merger of leading two national associations ACE(I) (incorporated in 1960) and NACE (incorporated in 1976). Thus, the Association have successfully completed its 60 years of services to the Consulting Engineering profession.

The Governing Council of CEAI has decided to celebrate Diamond Jubilee of the Association in a befitting manner, recalling the valuable services rendered to the Nation, and charting a new trajectory for the future. The celebration will start shortly, with an Inaugural Function, and will be concluded with a closing ceremony to be held in February, 2021.

Governing Council has constituted committees for organising the event. We shall forward the details of events and invite participation of all members.

REPORT ON WEBINAR ON ***“INTEGRITY & TRUST IN THE CONSULTING AND ENGINEERING INDUSTRY”***

A webinar on ***“Integrity & Trust in the Consulting and Engineering Industry”***, 16th July 2020 was organised by Power Engineering & Consulting JS Company (PECC3), Vietnam with support from FIDIC Integrity Management Committee and FIDIC Future Leaders Committee. All speakers stressed on the importance of Integrity in the business of the Consulting and the Engineering Industry.

Mr. Jitendra Kumar Singh as the Vice Chair of FIDIC-ASPAC Future Leaders Committee was the speaker from India and CEAI. He made an excellent presentation and substantially and meaningfully contributed to the discussions.

Mr. Thai Tuan Tai, President PECC3 welcomed the speakers and the participants. He outlined PECC3's path for Integrity Management. He linked Humility to Integrity and went on to outline the 2020 GOAL: Building a culture that is Trustworthy within Individual, Groups, Divisions and the whole Company.

Mr. John Ritchie, Member of FIDIC Integrity Management Committee dwelt on the aspect of a consultant being a “The Trusted Advisor” and that the aim of a Consultant should be to develop that relationship. He



explained as to what The Trusted Advisor should do to achieve that status. He showed the linkage between the “trusted advisor” and Integrity Management.

Mr. Richard Stump, Member of FIDIC Integrity Management Committee explained the FIDIC Integrity Management System (FIMS), the Guideline documents that FIDIC developed on the Policies and Principals of FIMS and how they can help Consultants go up the chain of Integrity. He also explained as to how FIMS could be adopted to ISO 37001 which is an Anti Bribery Standard.

Mr. Jorge Diaz Padilla, Chair of FIDIC Integrity Management Committee spoke of the status of Integrity the World over. He said that as per Transparency International, which has been listing companies on ethical business practices for the past 50 years, it is an uphill task. There has been no progress because we have not been able to tackle the 3 aspects– Supply Side – Demand Side – Condoning Side. It's when these are curbed that the practices would change and business Integrity would get a boost. He reiterated that quality, integrity and sustainability are the three pillars of a project.

Mr. Jitendra Singh stressed on the Importance of Integrity and explained the common dilemmas faced by Future Leaders. He discussed as to why unethical practices continue and gave examples of various situations. He concluded with, what the system structure ought to be to nurture a culture of Integrity.

Mr. Cosmin Tobolcea, Chair of FIDIC Future Leader Committee talked on the Vision of Future Leaders and their Purpose, the objectives of FIDIC and that Integrity is an important aspect. He also explained the activities of the Future Leaders Committee.

Mr. A P Mull, GC Member and Chairman, CEAI Publication Committee, participated and also interacted during the Q&A session.

ONLINE TRAINING ON “SOFTWARE SOLUTIONS FOR WATER ENVIRONMENT AND TRANSPORTATION INFRASTRUCTURE”

CEAI is planning to organise a series of ONLINE Trainings. First such training is scheduled on 7th & 8th August 2020 on the topic “Software Solutions for Water Environment and Transportation Infrastructure”.

First Session : Water, Wastewater and Stormwater software solution for Project Lifecycle -7th August 2020 at 10:30 am

Planning, design and operation of water systems, covering the following types of Consultancy projects

- Master & Capital planning
- Detailed design
- Operations in Real-time monitoring and prediction
- Maintenance planning

Second Session : Transportation lifecycle Software solution with BIM & Digital Twin - 8th Aug at 3:00 pm

Lifecycle of Road/Rail Infrastructure Project in the context of delivering the following types of consultancy projects:

- (a) Planning, Feasibility and Pre- Feasibility Project
- (b) Detailed Project Reports
- (c) Construction Management
- (d) Project Management Services (PMC)
- (e) Asset Management

**Registration Fee for the Training is Rs.500/- Plus GST**

We invite members to attend the important training and register at the earliest. Payment can be sent to CEAI directly, by bank transfer. The link for registration is

<https://us02web.zoom.us/j/89191505233?pwd=ejE1UEU1bE8yKzNoaWNibjFCT2VrUT09> (for 7th August)

<https://us02web.zoom.us/j/81743610386?pwd=QnBsdj9FOEZndEYyNldESXRqY2dkdz09> (for 8th August)

GOVERNING COUNCIL ELECTION

During the previous meeting of the Governing Council it was decided to start the election process for the Governing Council for 2021-2022, in the first week of September 2020. It was decided to hold the elections online due to the pandemic situation.

As per Memorandum and Rules of Association, the members who have not yet paid their membership subscription upto the Financial Year 2020-2021 shall not be eligible to take part in the Governing Council election. Members, who have not yet paid their subscription, are earnestly requested to clear their dues, and participate in the formation of the new GC.

NEW MEMBERS

The following members have joined CEAI in July 2020:

Member (Individual)**i) Mr Chheda Gautamkumar**

C-704, Park Express, Baner Balewadi link road, S/NO 5&19, Opp Cummins india campus, Balewadi, Pune- 411045
Mob: 9766646697 Email gchheda@gmail.com

ii) Mr Sharad Gupta

C-903, Gauri Ganesh Apts, Sector 3, Dwaraka, , New Delhi-
Mob: 9811453525 Email infosanrachna@gmail.com

iii) Mr Ravindra Shrivastava

Flat No 702, Tower 09, North Avenue, Omex City, , Bahadurgarh, Haryana-
Mob: 9997367764 Email ravindra.shrivastava2@gmail.com

Affiliate Member (Individual)**i) Mr Trivind Mehta**

Near Hanuman Temple, V Jarad, Bhutti Colony, PO Shamshi, Tehsil Bhuntar, Kullu,
Mob: 9418469455 Email trivind@yahoo.com

CEAI extend a warm welcome to the new members and look forward to their active participation in the activities of CEAI.

CEAI INTERVENTION

CEAI urges govt to revisit L1 tendering system

STATESMAN NEWS SERVICE
KOLKATA, 15 JULY

The Consulting Engineers Association of India (CEAI), the apex body of consulting engineers in the country, has urged the government to revisit and say goodbye to the age-old conventional L1 tendering and procurement system in the country.

The least cost selection method or L1, which is the award of work to the lowest financial offer, has been a prevalent procurement strategy for procurement of works by contractors, consultants and purchase of goods for a long time in the country. This has often resulted in poor quality of works and goods, CEAI said.

This necessitates an urgent need to change the selection mechanism and move

The award of work to the lowest financial offer... has often resulted in poor quality of works and goods

towards the concept of "workable rates" procurement mechanism, it added.

K K Kapila, chairman, infrastructure committee of CEAI and mentor of this movement, said: "The changed procurement system which offers various alternatives to derive workable rates in a transparent manner, will give opportunities to competent firms to plan a project or a bid on workable rates, thereby facilitating better management and execution which will reflect on quality and timelines." The L1 system, which is plagued

with delays of time and cost overruns, will ultimately lead to time consuming arbitrations and higher costs, he said.

Amitabha Ghoshal, president, CEAI, said that the heart of this change lies in creating awareness in the minds of the general public that the focus on "least cost factor" has resulted in compromises in achieving world-class infrastructure or purchase of quality goods as well as services.

The country needs a public procurement mechanism which focuses on quality and cost in all activities in public domain, Mr Ghoshal said.

"It is time to say goodbye to this age-old system and wake up to the dire necessity of change which is inescapably required for moving towards Atma Nirbhar Bharat," said Mr Kapila.



MEMBER NEWS



TCE PARTNERING WORLD ENERGY MISSION International Thermonuclear Experimental Reactor (ITER)

ITER (International Thermonuclear Experimental Reactor) is an international fusion reactor being constructed under the collaborative efforts of seven participating countries including India. This experimental and collaborative research aims to create sustainable energy for the world by harnessing nuclear fusion to solve the world's energy requirements. ITER nuclear fusion research and engineering megaproject is the world's largest magnetic confinement plasma physics experiment, and *TCE has been involved in the projects since inception.*

TCE provided the detailed engineering of the Cooling Water System for the project. TCE was also a part of the conceptual design phase and preliminary design phase which formed the foundation for their final design.

Currently, 50+ TCE engineers from different specialisation are working at the site to help ITER deliver the Engineering Work Packages to the Construction Team for Erection. TCE is also supporting ITER through offshore projects being executed by the delivery teams in India



ENGINEERING NEW INDIA Engineering Consultants for NPCIL's First Indigenous 2x700 MWe PHWR at Kakrapar, Gujarat

The Kakrapar Atomic Power Plant located at Kakrapar, near Surat in is the first indigenously designed and built Pressurised Heavy Water Reactor (PHWR) unit of 700MWe capacity. Tata Consulting Engineers (TCE) worked very closely with NPCIL on the project and provided consulting engineering services for:

1. Detailed engineering including preparation of P&ID's, Specifications, Datasheets, Piping layouts, HVAC layouts, Earthing and Lighting Diagrams, Tray Layouts, Elementary and Wiring Diagrams and Instrument Specification Sheets
2. Development of an integrated 3D model for the Nuclear Island which included entire reactor system along with safety systems, utilities and secondary cycle.
3. Complete engineering and 3D modelling of BoTIP (Balance of Turbine Island Package) for this Nuclear reactor.
4. Development of first Mobile Fuel Transfer Machine for 700 MWe PHWR.

This was the first time such an integrated 3D engineering was performed for an indigenous Nuclear Power Plant. TCE is proud to be associated with the Design Engineering of the unit.



VIEW POINT

Soft copy of the June 2020 issue of View Point on the theme “New Materials and Systems in Building” has been circulated to all members and others concerned. Both March issue and June issue has been released for print and members should soon get them.

We are sorry for hold up of the print copy despatch, due to the unusual situation, affecting courier firms.

The themes for the next two issues of Viewpoint would be:

- **Stakeholder Management in Public Infrastructure Projects** (September 2020)
- **Digital Engineering** (December 2020)

Considering the experience of CEAI members and various stakeholders in the subjects, CEAI would be happy to receive articles on the above themes.

Authors could share their knowledge and experience by providing case studies of the works executed or in execution, first-hand accounts of the challenges faced, practical issues experienced and the solutions to those, etc. Photographs, charts, diagrams, drawings, etc. would benefit our readers for better appreciation of the issues encountered and addressed.

The articles for an issue need to reach CEAI at least 6 weeks prior to the end of the month of the View Point issue.

Articles need to be in Times New Roman 12 with single line spacing with before and after 6 pt and normal margin on A4 size. A recent clear and bright passport size photograph of the author is to be sent along with the article.

Advertisement in View Point

VIEW POINT is circulated to all CEAI Members, FIDIC, Ministries of the Government of India, Public & Private Sector Undertakings, Construction Firms, Contractors, Consultants, Foreign Missions and Funding Institutions in India and other organisations related to or dealing with the engineering profession.

Advertising in the VIEW POINT gives the advertiser wide exposure and visibility.

Support from CEAI members and stakeholders are sought in increasing the number of advertisements, such that View Point gain in its stature as a unique Technical Publication.

The rates for advertisements in VIEWPOINT are given below. This is excluding GST @ 5% or as prescribed, which will be extra:

Item	Rate Per issue* (Rs)	Discounted rate at 20% for 4 consecutive issues* (Rs)
Back Cover **	25,000/-	80,000/-
Inside Front Cover ***	15,000/-	48,000/-
Inside Back Cover	15,000/-	48,000/-
Full Page	10,000/-	32,000/-

**GST @ 5% or as prescribed will be added to the above rates.*

*** Back Cover booked till Sept 2020*

****Inside Front Cover booked till June 2021*